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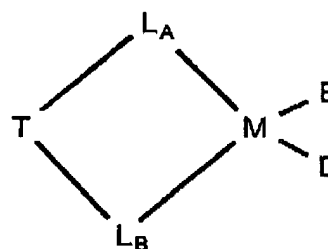
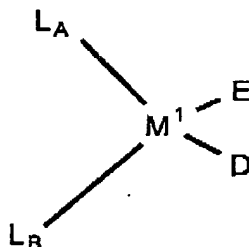
IN THE CLAIMS:

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Please amend the claims and add new claims 34-78 as follows:

1. (Currently amended) A composition comprising the product of combining, ~~in the presence of a free radical initiator,~~ a catalyst precursor and at least one monomer in the presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, and wherein the catalyst precursor is represented by one of the formulas:



wherein

- (a) M is titanium;
M¹ is titanium;
- (b) L_A is a substituted ~~or unsubstituted~~, cyclopentadienyl or heterocyclopentadienyl ligand connected to M or M¹ wherein L_A comprises R;
- (c) L_B is a ligand as defined for L_A but selected independently of L_A;
- (d) T is a bridging group that connects L_A and L_B and comprises a Group-13-to-16 element and 0-2 of R'; and
- (e) D and E are the same or different abstractable ligands, and
wherein R and R' are independently hydrogen or a hydrocarbyl group provided at least one of R and R' can be polymerized by [[a]] the free radical initiator.

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2. (Previously presented) The composition of Claim 1 wherein R and R' are independently hydrogen or a C₁-C₅₀ hydrocarbyl group.
3. (Previously presented) The composition of Claim 1 wherein R and R' are independently hydrogen or a C₁-C₂₀ hydrocarbyl group.
4. (Currently amended) The composition of Claim 3 wherein each R is independently one of hydrogen, allyl, methyl, or a phenyl group.
5. (Canceled)
6. (Canceled)
7. (Previously presented) The composition of Claim 3 wherein the abstractable ligands are independently hydride radicals; hydrocarbyl radicals; or hydrocarbyl-substituted organometalloid radicals.
8. (Previously presented) The composition of Claim 7 wherein two of the abstractable ligands join to form a 3-to-40-atom metallacycle ring.
9. (Previously presented) The composition of Claim 3 wherein the abstractable ligands are independently halogen, alkoxide, aryloxy, amide, or phosphide radicals.
10. (Previously presented) The composition of Claim 3 wherein the abstractable ligands are chloride, bromide, iodide, methyl, ethyl, propyl, butyl, pentyl, hexyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, tridecyl, tetradecyl, pentadecyl, hexadecyl, heptadecyl, octadecyl, nonadecyl, eicosyl, heneicosyl, docosyl, tricosyl, tetracosyl, pentacosyl, hexacosyl, heptacosyl, octacosyl, nonacosyl, triacontyl, hydride, phenyl, benzyl, phenethyl, tolyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, diethylamino, methylethylamino, phenoxy, benzoxy, allyl, 1,1-dimethyl allyl, 2-carboxymethyl allyl, acetylacetonate,

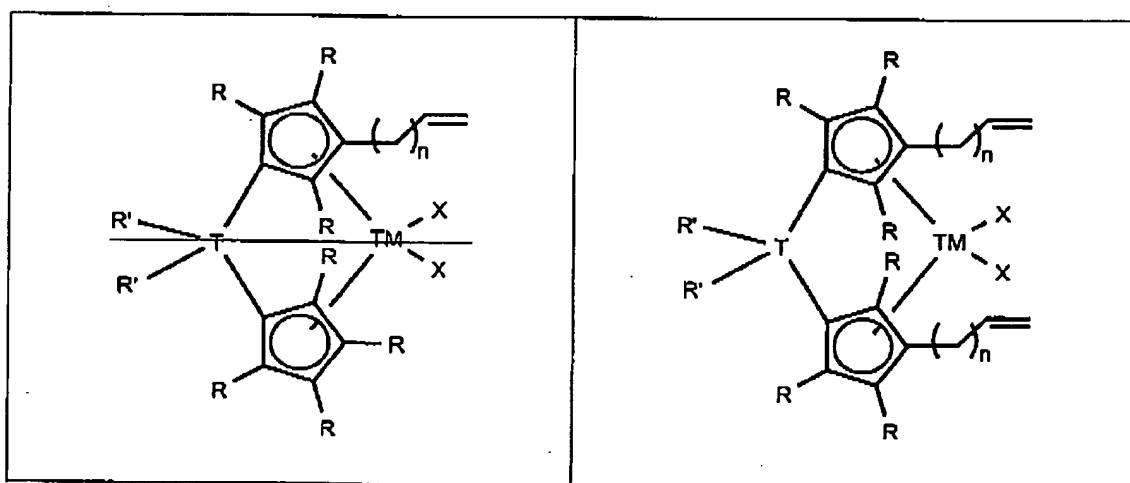
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1,1,1,5,5,5-hexa-fluoroacetylacetonate, 1,1,1-trifluoro-acetylacetonate, or 1,1,1-trifluoro-5,5-di-methylacetylacetonate radicals.

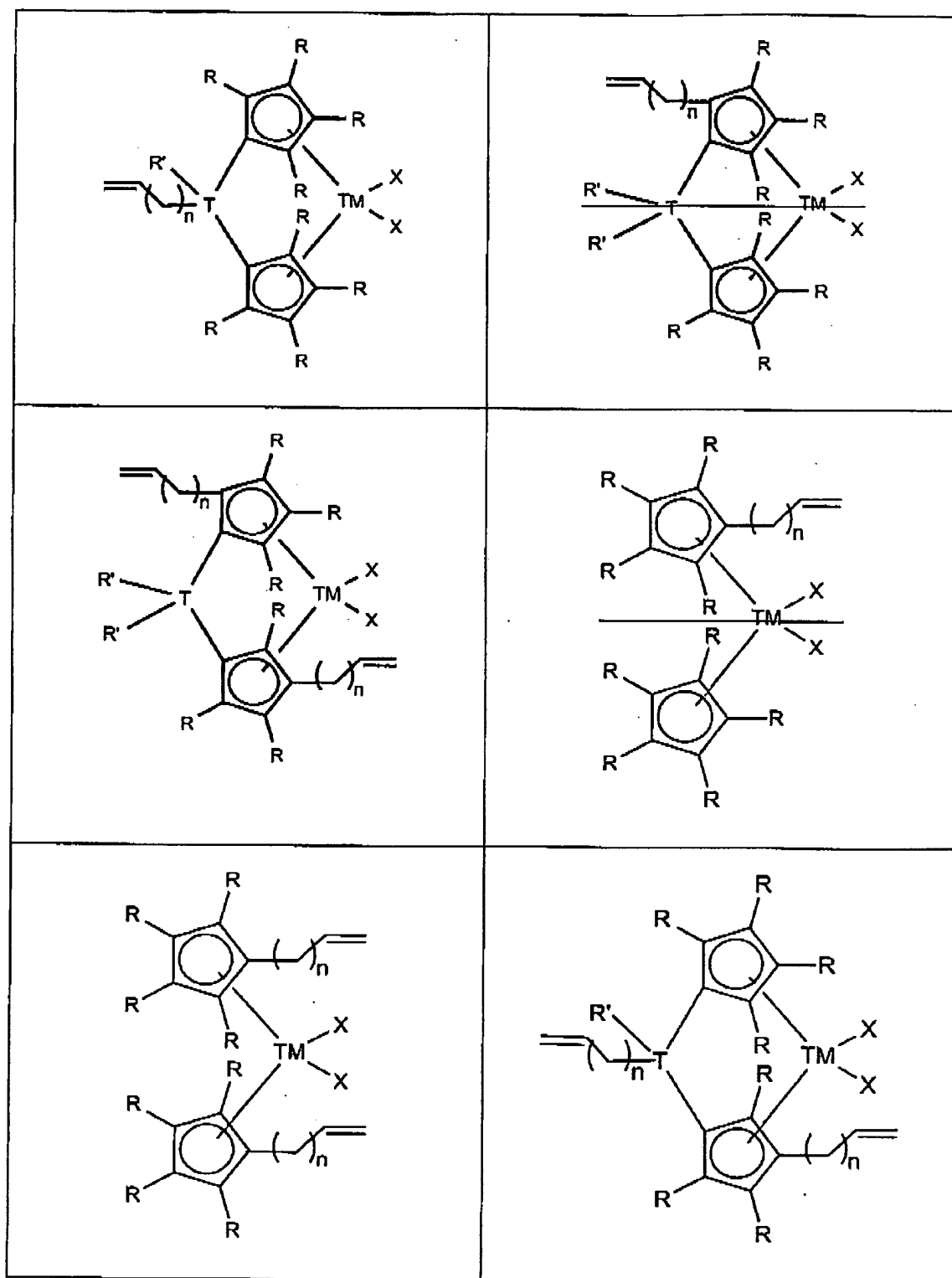
11. (Previously presented) The composition of Claim 3 wherein at least one of the abstractable ligands is chloride.
12. (Previously presented) The composition of Claim 1 wherein the at least one monomer comprises styrene, vinyl styrene, an alkyl styrene, isobutylene, isoprene, or butadiene.
13. (Original) The composition of Claim 12 wherein the one or more monomers comprise styrene.
14. (Currently amended) The composition of Claim 1 wherein the free radical initiator is selected from the group consisting of azo initiators [[or]] and peroxides.
15. (Currently amended) The composition of Claim 3 wherein the free radical initiator is selected from the group consisting of dialkyldiazenes, hyponitrites, diacyl peroxides, dialkyl peroxydicarbonates, peresters, alkyl hydroperoxides, dialkyl peroxides, persulfates, [[or]] and inorganic peroxides.
16. (Currently amended) The composition of Claim 15 wherein the free radical initiator is selected from the group consisting of 2,2'-azobis(2-methylpropanenitrile), 1,1-azobis(1-cyclohexanenitrile), 4,4'-azobis(4-cyanovaleric acid), triphenylmethy lazobenzene, di-t-butyl hyponitrite, dicumyl hyponitrite, dibenzoyl peroxide, didodecanoyl peroxide, diacetyl peroxide, diisopropyl ester, dicyclohexyl ester, cumyl hydroperoxide, t-butyl hydroperoxide, dicumyl peroxide, di-t-butyl peroxide, and hydrogen peroxide, ~~and persulfate initiators.~~
17. (Withdrawn) A catalyst system comprising the reaction product of the composition of Claim 1 and an activator.

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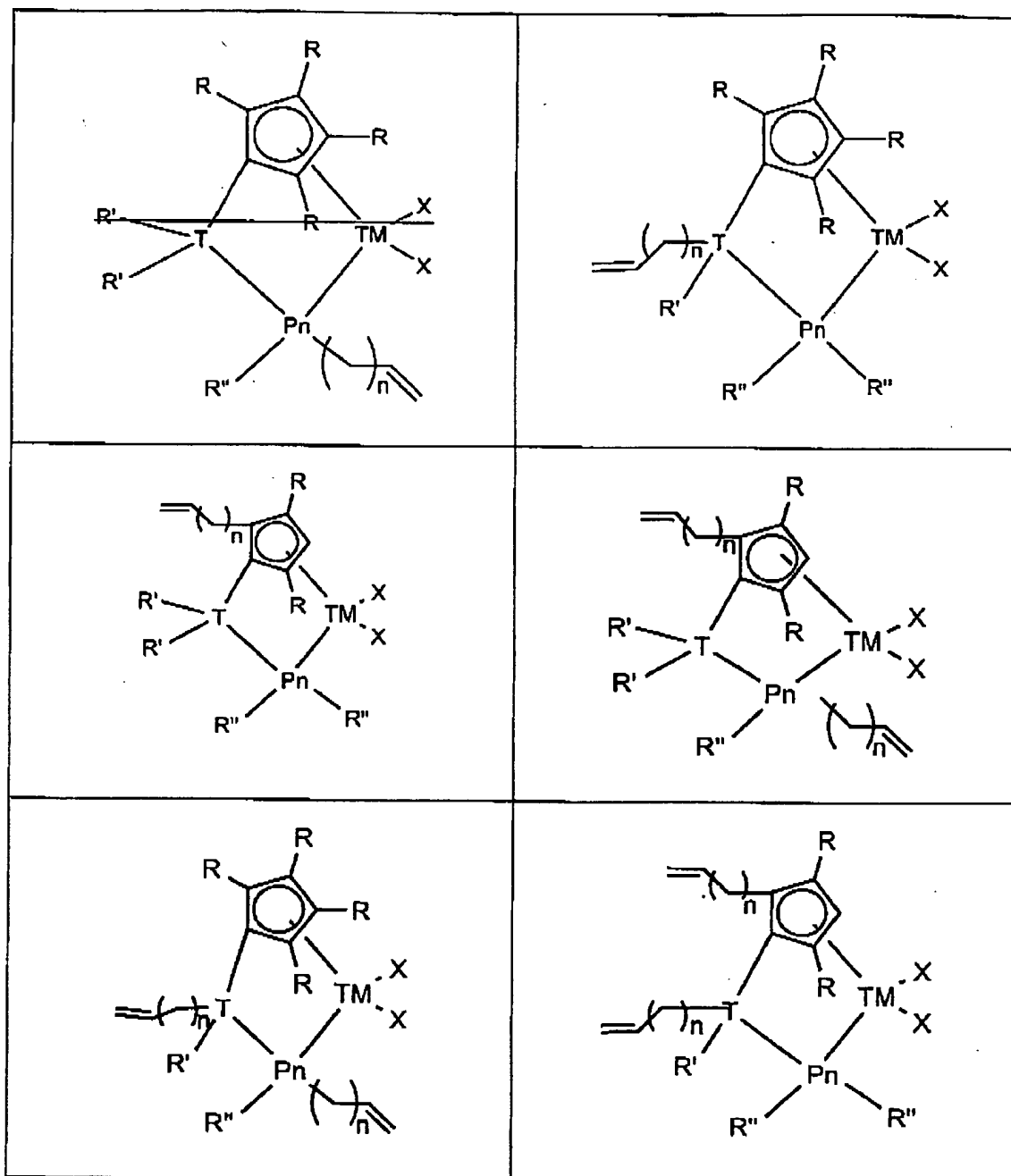
18. (Withdrawn) and (Currently amended) The catalyst system of Claim 17 wherein the activator is selected from the group consisting of alumoxanes, aluminum alkyls, alkyl aluminum halides, alkylaluminum alkoxides, discrete ionic activators, and Lewis acid activators.
19. (Withdrawn) and (Currently amended) The catalyst system of Claim 18 wherein the activator is selected from the group consisting of methylalumoxane, modified methylalumoxane, ethylalumoxane, trimethyl aluminum, triethyl aluminum, triisopropyl aluminum, diethyl aluminum chloride, alkylaluminum alkoxides, ammonium borate salts, phosphonium borate salts, triphenyl carbenium borate salts, ammonium aluminate salts, phosphonium aluminate salts, triphenyl carbenium aluminate salts, trisarylborane acids, and polyhalogenated heteroborane anions.
20. (Currently amended) A composition comprising the product of ~~combining, in the presence of a free radical initiator,~~ a catalyst precursor and at least one monomer in the presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, wherein the catalyst precursor is represented by one of the following formulas:



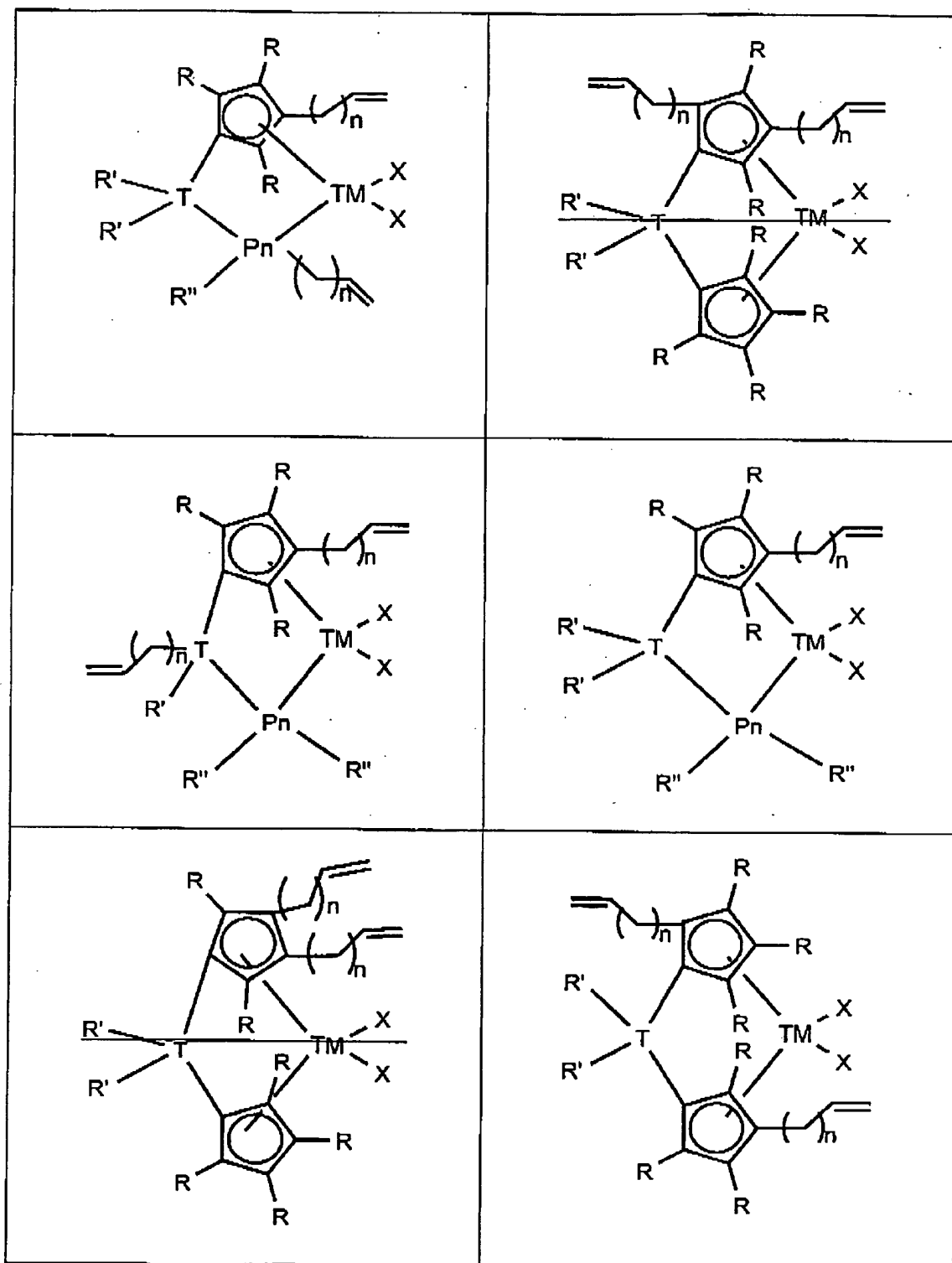
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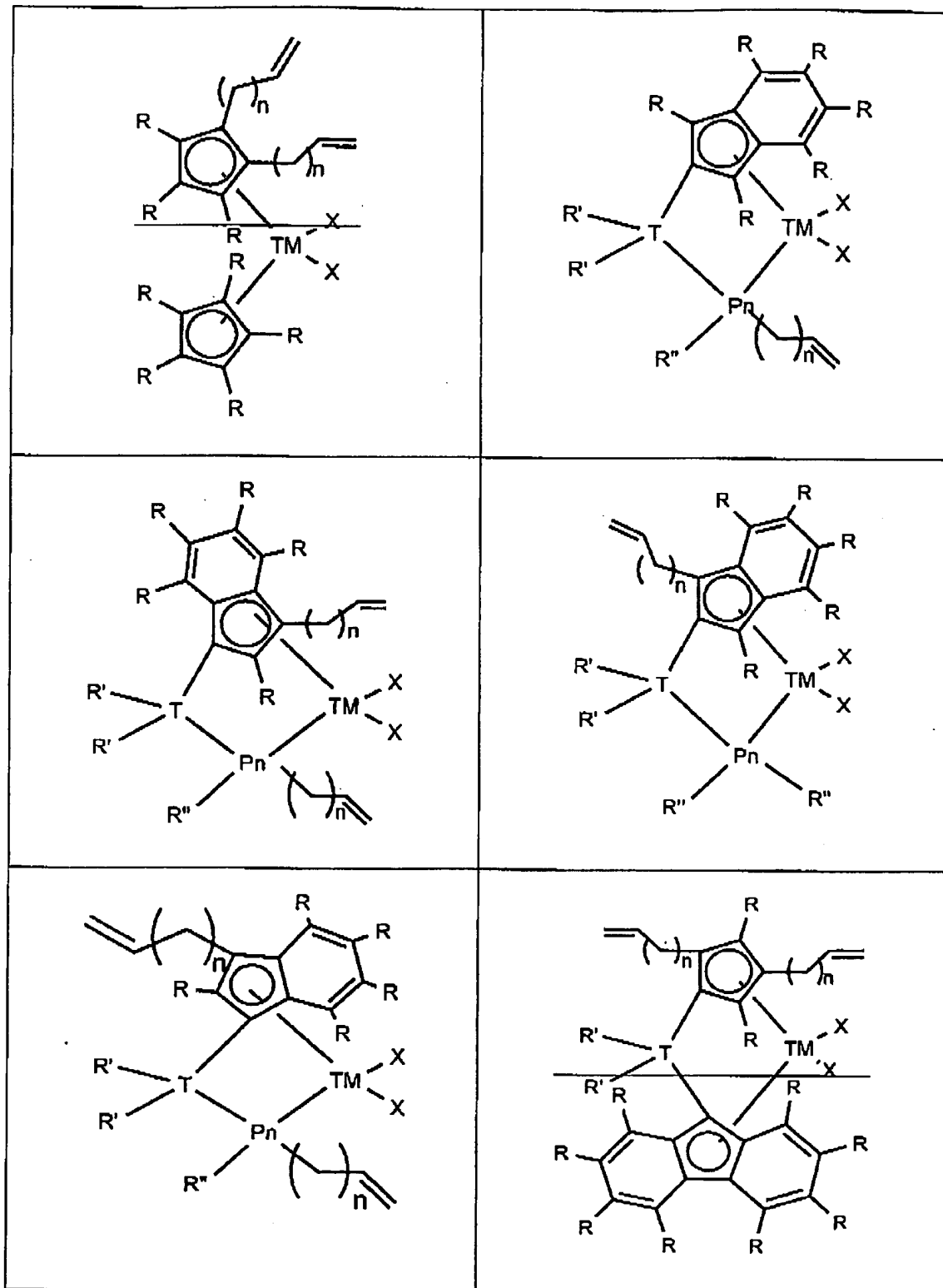
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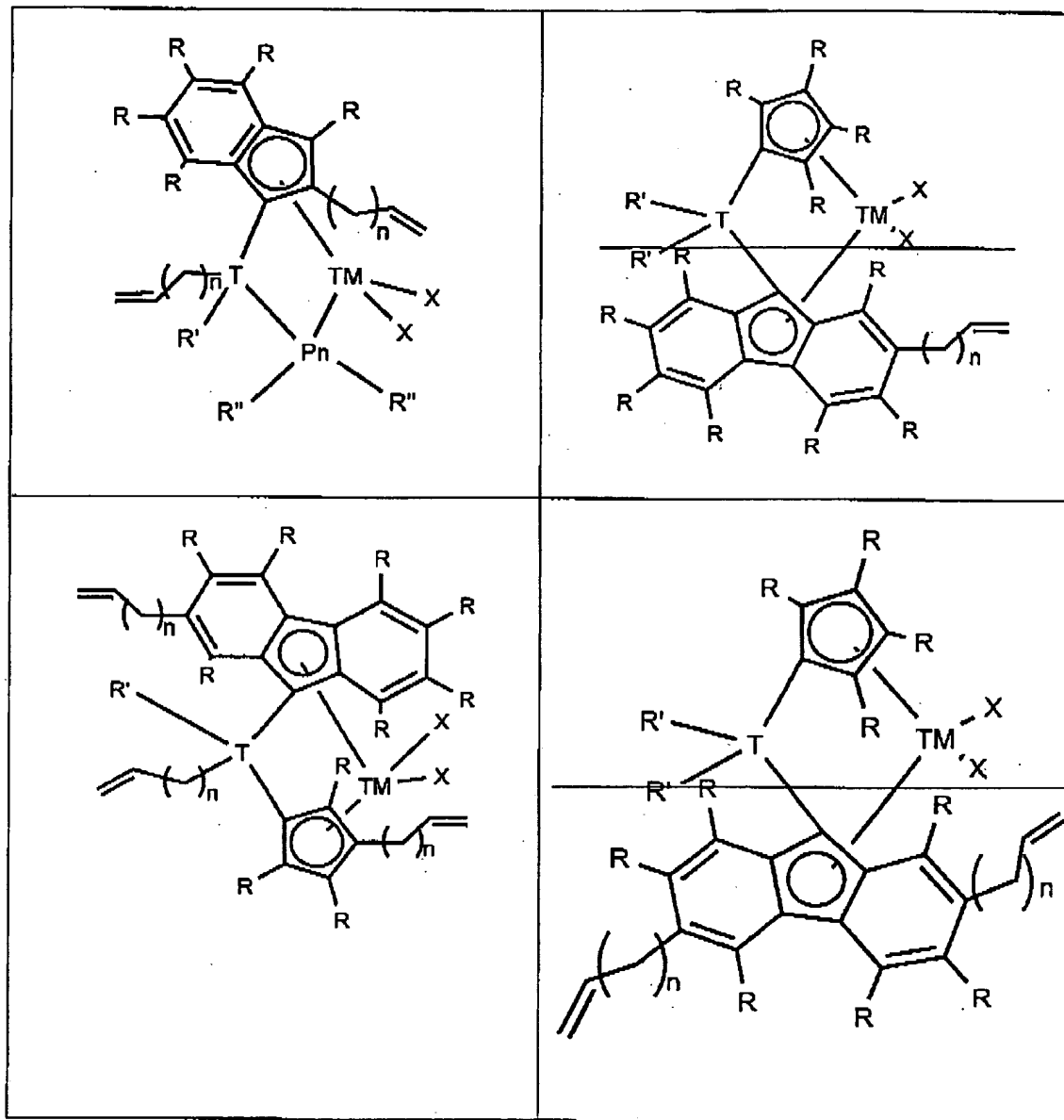
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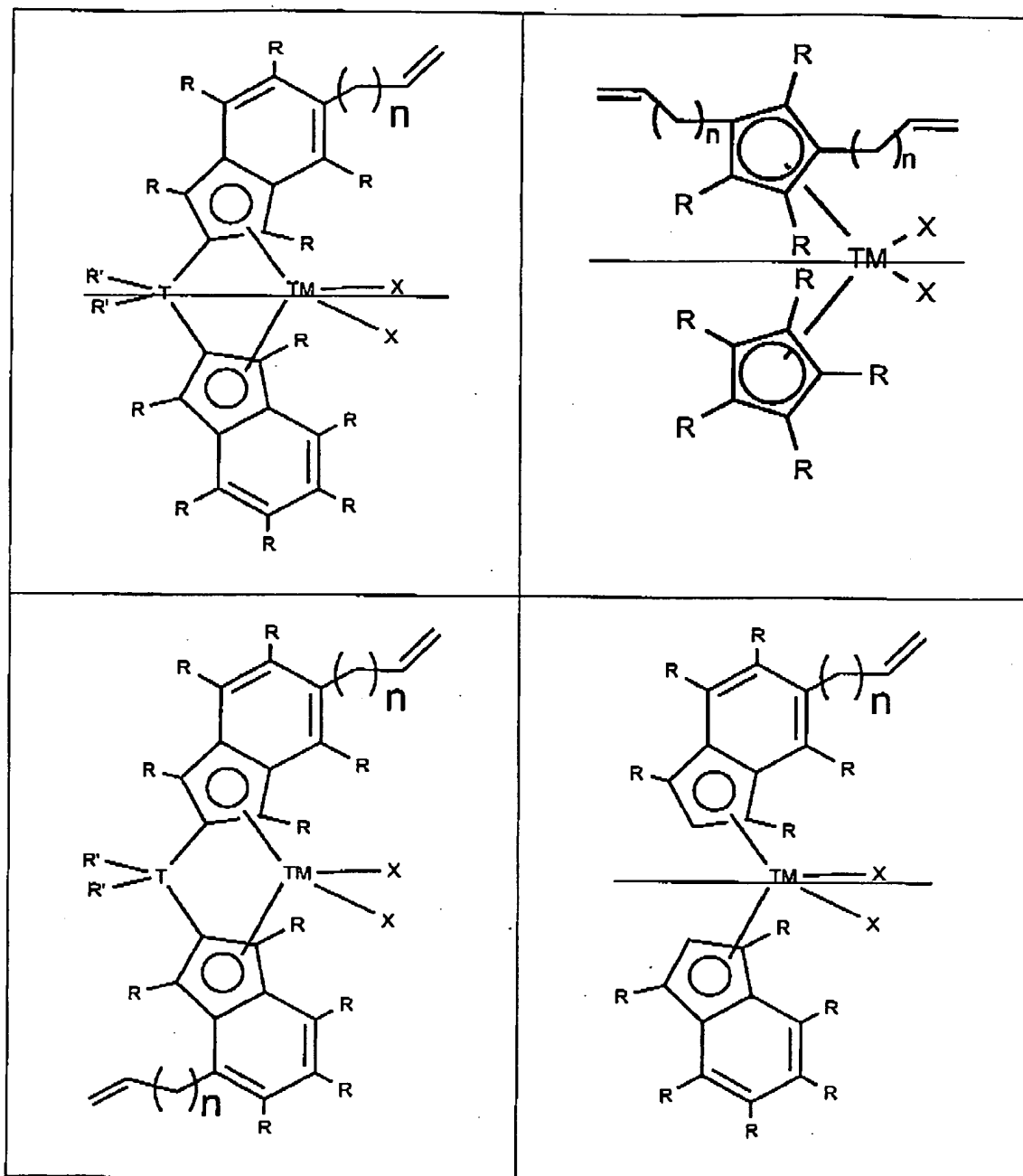
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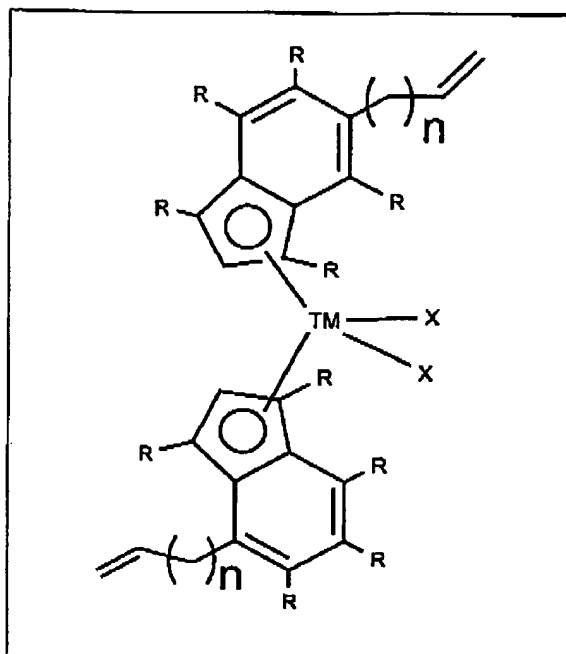
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wherein

- (a) X are the same or different abstractable ligand;
 - (b) each ~~Each~~ R, R', and R" are is independently selected from hydrogen or a hydrocarbyl group provided at least one of R, R', and R" can be polymerized by [[a]] the free radical initiator;
 - (c) TM is titanium;
 - (d) n is an integer from 0-3; and
 - (e) Pn is a Group-14-15 atom.
21. (Withdrawn) An olefin polymerization method comprising the steps of combining an olefin with the composition of Claim 1, and an activator.
22. (Previously presented) An olefin polymerization method comprising combining the composition of Claim 3 with an olefin and an activator, where
- (a) the olefin monomer, and the catalyst and the activator are combined under polymerization conditions comprising:

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(i) slurry polymerization conditions wherein slurry polymerization conditions comprise:

- a reaction temperature of 0-120 °C;
- a reaction pressure of 103-5068 kPa gauge;
- a reaction media selected from C₃-C₇ alkanes; and
- a primary monomer concentration of 1-10 wt% based on the total weight of monomer plus media;

or

(ii) gas-phase polymerization conditions wherein gas-phase polymerization conditions comprise:

- a reaction temperature of 30-120 °C;
- a reaction pressure of 69 kPa-3.5 MPa gauge; and
- a primary monomer partial pressure of 138 kPa-2.1 MPa;

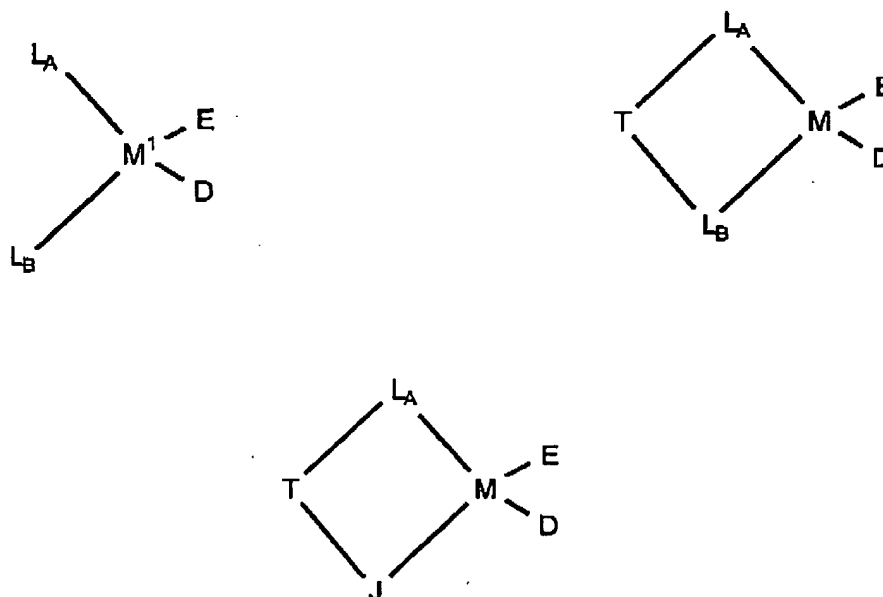
or

(iii) solution polymerization conditions wherein solution polymerization conditions comprise:

- a reaction temperature of 0-120 °C;
- a reaction pressure of 103-5068 kPa; and
- a solvent selected from toluene, benzene, xylene, or hexane.

23. (Currently amended) A composition comprising a bifunctional metallocene catalyst comprising the product of combining, ~~in the presence of a free radical initiator~~, two or more catalyst precursors and at least one monomer in the presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, and wherein the catalyst precursors are represented by at least one of the formulas:

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wherein

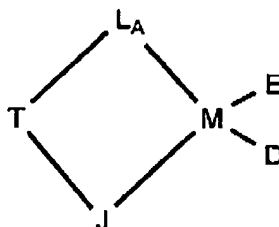
- (a) each M is a Group 4 metal;
each M' is Group 4 metal;
- (b) L_A is a substituted ~~or unsubstituted~~, cyclopentadienyl or heterocyclopentadienyl ligand connected to M or M' wherein L_A comprises R ;
- (c) L_B is (i) a ligand as defined for L_A but selected independently of L_A , ~~or (ii) J , a heteroatom ligand comprising a Group 14-15 atom and 0-2 of R'' ;~~
- (d) T is a bridging group that connects L_A and L_B or that connects L_A and J and comprises a Group-13-to-16 element and 0-2 of R' ; ~~and~~
- (e) D and E are the same or different abstractable ligands, and
- (f) J is a heteroatom ligand comprising a Group-14-15 atom and 0-2 of R''

wherein each R , R' , and R'' are independently hydrogen or a hydrocarbyl group provided at least one of R , R' , and R'' can be polymerized by $[[a]]$ the free radical initiator, provided that when M' is Zr , L_A is substituted at more than one carbon atom, and wherein the two or more catalyst precursors each have a different Group 4 metal.

24. (Currently amended) A composition comprising the product of combining, in the presence of a free radical initiator, a catalyst precursor and at least one monomer in the

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presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, and wherein the catalyst precursor is represented ~~by one of the formulas~~ as follows:



wherein

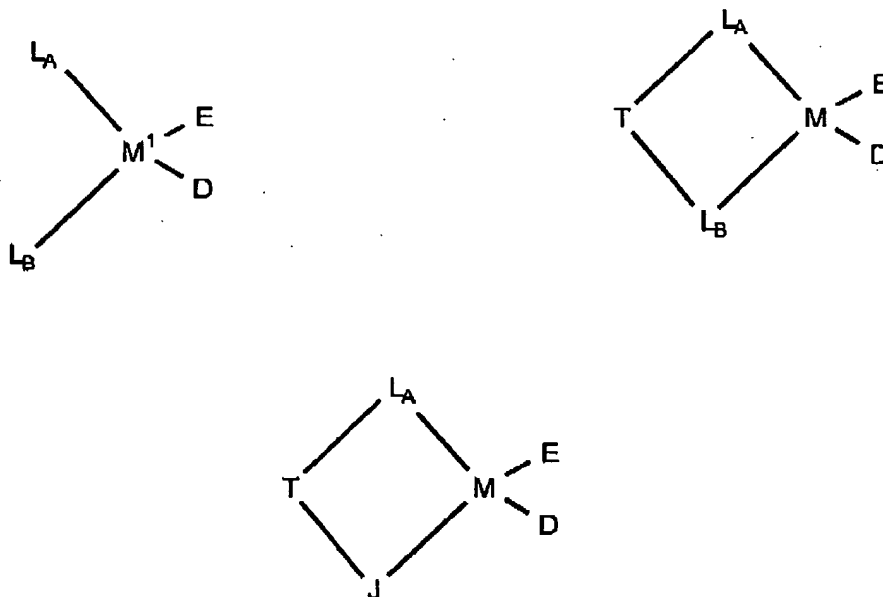
- (a) M is a Group 4 metal;
- (b) L_A is a substituted or unsubstituted, cyclopentadienyl or heterocyclopentadienyl ligand connected to M, wherein L_A comprises R;
- (c) J is a heteroatom ligand comprising a Group-14-15 atom and 0-2 of R';
- (d) T is a bridging group that connects L_A and L_B and comprises a Group-13-to-16 element and 0-2 of R'; and
- (e) D and E are the same or different abstractable ligands,

wherein each R, R', and R'' are independently hydrogen or a hydrocarbyl group provided at least one of R, R', and R'' can be polymerized by ~~[[a]]~~ the free radical initiator.

- 25. (Previously presented) The composition of Claim 24 wherein the at least one monomer comprises styrene, vinyl styrene, an alkyl styrene, isobutylene, isoprene, or butadiene.
- 26. (Previously presented) The composition of Claim 24 wherein the one or more monomers comprise styrene.
- 27. (Previously presented) The composition of Claim 24 wherein the free radical initiator is selected from the group consisting of azo initiators and peroxides.
- 28. (Previously presented) The composition of Claim 24, wherein M is zirconium.

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29. (Previously presented) The composition of Claim 24, wherein M is titanium.
30. (Currently amended) A composition comprising the product of ~~combining, in the presence of a free radical initiator,~~ a catalyst precursor and at least one monomer in the presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, and wherein the catalyst precursor is represented by one of the formulas:



wherein

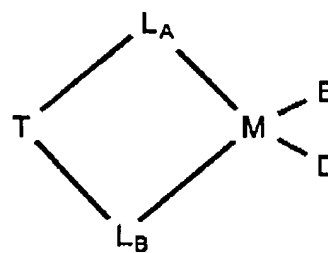
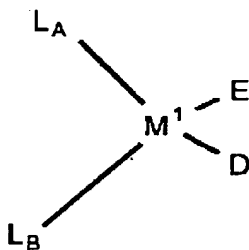
- (a) M is a Group 3, ~~or~~ Group 5-10 metal;
 M' is a Group 3, ~~or~~ Group 5-10 metal;
- (b) L_A is a substituted or unsubstituted, cyclopentadienyl or heterocyclopentadienyl ligand connected to M wherein L_A comprises R ;
- (c) L_B is (i) a ligand as defined for L_A but selected independently of L_A , ~~or~~ (ii) J , a heteroatom ligand connected to M , ~~wherein~~ and J comprises a Group-14-15 atom and 0-2 of R'' ;
- (d) T is a bridging group that connects L_A and L_B and comprises a Group-13-to-16 element and 0-2 of R' ; ~~and~~

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(e) D and E are the same or different abstractable ligands,

wherein each R, R', and R'' are independently hydrogen or a hydrocarbyl group provided at least R' one of R, R', and R'' can be polymerized by [[a]] the free radical initiator or R and R'' can be polymerized by the free radical initiator.

31. (Previously presented) The composition of Claim 30, wherein the at least one monomer comprises styrene, vinyl styrene, an alkyl styrene, isobutylene, isoprene, or butadiene.
32. (Previously presented) The composition of Claim 30, wherein the one or more monomers comprise styrene.
33. (Previously presented) The composition of Claim 30, wherein the free radical initiator is selected from the group consisting of azo initiators and peroxides.
34. (New) A composition comprising the product of a catalyst precursor and at least one monomer in the presence of a free radical initiator, wherein the monomer is selected from the group consisting of vinyl styrene, an alkyl styrene, isobutylene, isoprene, and butadiene, and wherein the catalyst precursor is represented by one of the formulas:



wherein

- (a) M is titanium;
M¹ is titanium;

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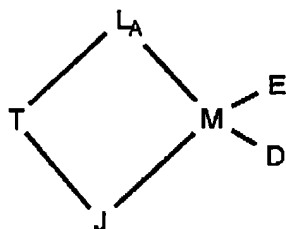
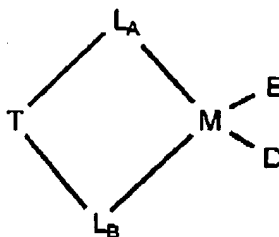
- (b) L_A is a substituted cyclopentadienyl or heterocyclopentadienyl ligand connected to M or M^1 wherein L_A comprises R;
- (c) L_B is a ligand as defined for L_A but selected independently of L_A ;
- (d) T is a bridging group that connects L_A and L_B and comprises a Group-13-to-16 element and 0-2 of R'; and
- (e) D and E are the same or different abstractable ligands, and
wherein R and R' are independently hydrogen or a hydrocarbyl group provided at least one of R and R' can be polymerized by the free radical initiator.
35. (New) The composition of Claim 34 wherein R and R' are independently hydrogen or a C_1 - C_{50} hydrocarbyl group.
36. (New) The composition of Claim 34 wherein R and R' are independently hydrogen or a C_1 - C_{20} hydrocarbyl group.
37. (New) The composition of Claim 34 wherein each R is independently one of hydrogen, allyl, methyl, or a phenyl group.
38. (New) The composition of Claim 34 wherein the abstractable ligands are independently hydride radicals; hydrocarbyl radicals; or hydrocarbyl-substituted organometalloid radicals.
39. (New) The composition of Claim 34 wherein two of the abstractable ligands join to form a 3-to-40-atom metallacycle ring.
40. (Previously presented) The composition of Claim 34 wherein the abstractable ligands are independently halogen, alkoxide, aryloxide, amide, or phosphide radicals.
41. (New) The composition of Claim 34 wherein the abstractable ligands are chloride, bromide, iodide, methyl, ethyl, propyl, butyl, pentyl, hexyl, heptyl, octyl, nonyl, decyl,

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undecyl, dodecyl, tridecyl, tetradecyl, pentadecyl, hexadecyl, heptadecyl, octadecyl, nonadecyl, eicosyl, heneicosyl, docosyl, tricosyl, tetracosyl, pentacosyl, hexacosyl, heptacosyl, octacosyl, nonacosyl, triacontyl, hydride, phenyl, benzyl, phenethyl, tolyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, diethylamino, methylethylamino, phenoxy, benzoxy, allyl, 1,1-dimethyl allyl, 2-carboxymethyl allyl, acetylacetonate, 1,1,1,5,5,5-hexa-fluoroacetylacetonate, 1,1,1-trifluoro-acetylacetonate, or 1,1,1-trifluoro-5,5-di-methylacetylacetonate radicals.

42. (New) The composition of Claim 34 wherein the free radical initiator is selected from the group consisting of azo initiators and peroxides.
43. (New) The composition of Claim 34 wherein the free radical initiator is selected from the group consisting of 2,2'-azobis(2-methylpropanenitrile), 1,1-azobis(1-cyclohexanenitrile), 4,4'-azobis(4-cyanovaleric acid), triphenylmethy lazobenzene, di-t-butyl hyponitrite, dicumyl hyponitrite, dibenzoyl peroxide, didodecanoyl peroxide, diacetyl peroxide, diisopropyl ester, dicyclohexyl ester, cumyl hydroperoxide, t-butyl hydroperoxide, dicumyl peroxide, di-t-butyl peroxide, and hydrogen peroxide.
44. (New) A composition comprising the product of a catalyst precursor and at least one monomer in the presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, and wherein the catalyst precursor is represented by one of the formulas:

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wherein

- (a) M and M¹ are titanium;
- (b) L_A is a substituted cyclopentadienyl or heterocyclopentadienyl ligand connected to M or M¹ wherein L_A comprises R;
- (c) L_B is a ligand as defined for L_A but selected independently of L_A;
- (d) T is a bridging group that connects L_A and L_B and comprises a Group-13-to-16 element and 0-2 of R';
- (e) D and E are the same or different abstractable ligands; and
- (f) J is a heteroatom ligand comprising a Group-14-15 atom and 0-2 of R",

wherein R and R' are independently hydrogen or a hydrocarbyl group provided at least one of R and R' comprise at least one unsaturated double bond that can be polymerized by the free radical initiator.

- 45. (New) The composition of Claim 44 wherein R and R' are independently hydrogen or a C₁-C₅₀ hydrocarbyl group.
- 46. (New) The composition of Claim 44 wherein R and R' are independently hydrogen or a C₁-C₂₀ hydrocarbyl group.

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47. (New) The composition of Claim 44 wherein each R is independently one of hydrogen, allyl, methyl, or a phenyl group.
48. (New) The composition of Claim 44 wherein the abstractable ligands are independently hydride radicals; hydrocarbyl radicals; or hydrocarbyl-substituted organometalloid radicals.
49. (New) The composition of Claim 44 wherein two of the abstractable ligands join to form a 3-to-40-atom metallacycle ring.
50. (New) The composition of Claim 44 wherein the abstractable ligands are independently halogen, alkoxide, aryloxy, amide, or phosphide radicals.
51. (New) The composition of Claim 44 wherein the abstractable ligands are chloride, bromide, iodide, methyl, ethyl, propyl, butyl, pentyl, hexyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, tridecyl, tetradecyl, pentadecyl, hexadecyl, heptadecyl, octadecyl, nonadecyl, eicosyl, heneicosyl, docosyl, tricosyl, tetracosyl, pentacosyl, hexacosyl, heptacosyl, octacosyl, nonacosyl, triacontyl, hydride, phenyl, benzyl, phenethyl, tolyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, diethylamino, methylethylamino, phenoxy, benzoxy, allyl, 1,1-dimethyl allyl, 2-carboxymethyl allyl, acetylacetonate, 1,1,1,5,5,5-hexa-fluoroacetylacetonate, 1,1,1-trifluoro-acetylacetonate, or 1,1,1-trifluoro-5,5-di-methylacetylacetonate radicals.
52. (New) The composition of Claim 44 wherein the free radical initiator is selected from the group consisting of azo initiators and peroxides.
53. (New) The composition of Claim 44 wherein the free radical initiator is selected from the group consisting of 2,2'-azobis(2-methylpropanenitrile), 1,1-azobis(1-cyclohexanenitrile), 4,4'-azobis(4-cyanovaleric acid), triphenylmethy lazobenzene, di-t-butyl hyponitrite,

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dicumyl hyponitrite, dibenzoyl peroxide, didodecanoyl peroxide, diacetyl peroxide, diisopropyl ester, dicyclohexyl ester, cumyl hydroperoxide, t-butyl hydroperoxide, dicumyl peroxide, di-t-butyl peroxide, and hydrogen peroxide.

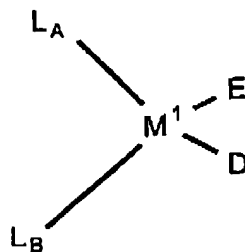
54. (New) The composition of Claim 44 wherein the at least one monomer comprises styrene, vinyl styrene, an alkyl styrene, isobutylene, isoprene, or butadiene.
55. (New) The composition of Claim 44 wherein the one or more monomers comprise styrene.
56. (New) The composition of Claim 23 wherein R and R' are independently hydrogen or a C₁-C₅₀ hydrocarbyl group.
57. (New) The composition of Claim 23 wherein R and R' are independently hydrogen or a C₁-C₂₀ hydrocarbyl group.
58. (New) The composition of Claim 23 wherein each R is independently one of hydrogen, allyl, methyl, or a phenyl group.
59. (New) The composition of Claim 23 wherein the abstractable ligands are independently hydride radicals; hydrocarbyl radicals; or hydrocarbyl-substituted organometalloid radicals.
60. (New) The composition of Claim 23 wherein two of the abstractable ligands join to form a 3-to-40-atom metallacycle ring.
61. (New) The composition of Claim 23 wherein the abstractable ligands are independently halogen, alkoxide, aryloxy, amide, or phosphide radicals.
62. (New) The composition of Claim 23 wherein the abstractable ligands are chloride, bromide, iodide, methyl, ethyl, propyl, butyl, pentyl, hexyl, heptyl, octyl, nonyl, decyl,

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undecyl, dodecyl, tridecyl, tetradecyl, pentadecyl, hexadecyl, heptadecyl, octadecyl, nonadecyl, eicosyl, heneicosyl, docosyl, tricosyl, tetracosyl, pentacosyl, hexacosyl, heptacosyl, octacosyl, nonacosyl, triacontyl, hydride, phenyl, benzyl, phenethyl, tolyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, diethylamino, methylethylamino, phenoxy, benzoxy, allyl, 1,1-dimethyl allyl, 2-carboxymethyl allyl, acetylacetonate, 1,1,1,5,5,5-hexa-fluoroacetylacetonate, 1,1,1-trifluoro-acetylacetonate, or 1,1,1-trifluoro-5,5-di-methylacetylacetonate radicals.

63. (New) The composition of Claim 23 wherein the free radical initiator is selected from the group consisting of azo initiators and peroxides.
64. (New) The composition of Claim 23 wherein the free radical initiator is selected from the group consisting of 2,2'-azobis(2-methylpropanenitrile), 1,1-azobis(1-cyclohexanenitrile), 4,4'-azobis(4-cyanovaleric acid), triphenylmethy lazobenzene, di-t-butyl hyponitrite, dicumyl hyponitrite, dibenzoyl peroxide, didodecanoyl peroxide, diacetyl peroxide, diisopropyl ester, dicyclohexyl ester, cumyl hydroperoxide, t-butyl hydroperoxide, dicumyl peroxide, di-t-butyl peroxide, and hydrogen peroxide.
65. (New) The composition of Claim 23 wherein the at least one monomer comprises styrene, vinyl styrene, an alkyl styrene, isobutylene, isoprene, or butadiene.
66. (New) The composition of Claim 23 wherein the one or more monomers comprise styrene.
67. (New) A composition comprising the product of a catalyst precursor and at least one monomer in the presence of a free radical initiator, wherein the monomer is polymerizable by free-radical polymerization, and wherein the catalyst precursor is represented by the formula:

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wherein

- (a) M is titanium;
 - (b) L_A is a substituted cyclopentadienyl or heterocyclopentadienyl ligand connected to M' wherein L_A comprises R;
 - (c) L_B is a ligand as defined for L_A but selected independently of L_A ;
 - (d) D and E are the same or different abstractable ligands; and
- wherein R is a hydrocarbyl group having at least one unsaturated double bond that can be polymerized by the free radical initiator.

- 68. (New) The composition of Claim 67 wherein R is a C_1 - C_{50} hydrocarbyl group.
- 69. (New) The composition of Claim 67 wherein R is a C_1 - C_{20} hydrocarbyl group.
- 70. (New) The composition of Claim 67 wherein R is a vinyl or allyl group.
- 71. (New) The composition of Claim 67 wherein the abstractable ligands are independently hydride radicals; hydrocarbyl radicals; or hydrocarbyl-substituted organometalloid radicals.
- 72. (New) The composition of Claim 67 wherein two of the abstractable ligands join to form a 3-to-40-atom metallacycle ring.

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73. (New) The composition of Claim 67 wherein the abstractable ligands are independently halogen, alkoxide, aryloxy, amide, or phosphide radicals.
74. (New) The composition of Claim 67 wherein the abstractable ligands are chloride, bromide, iodide, methyl, ethyl, propyl, butyl, pentyl, hexyl, heptyl, octyl, nonyl, decyl, undecyl, dodecyl, tridecyl, tetradecyl, pentadecyl, hexadecyl, heptadecyl, octadecyl, nonadecyl, eicosyl, heneicosyl, docosyl, tricosyl, tetracosyl, pentacosyl, hexacosyl, heptacosyl, octacosyl, nonacosyl, triacontyl, hydride, phenyl, benzyl, phenethyl, tolyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, diethylamino, methylethylamino, phenoxy, benzoxy, allyl, 1,1-dimethyl allyl, 2-carboxymethyl allyl, acetylacetonate, 1,1,1,5,5,5-hexa-fluoroacetylacetonate, 1,1,1-trifluoro-acetylacetonate, or 1,1,1-trifluoro-5,5-di-methylacetylacetonate radicals.
75. (New) The composition of Claim 67 wherein the free radical initiator is selected from the group consisting of azo initiators and peroxides.
76. (New) The composition of Claim 67 wherein the free radical initiator is selected from the group consisting of 2,2'-azobis(2-methylpropanenitrile), 1,1-azobis(1-cyclohexanenitrile), 4,4'-azobis(4-cyanovaleric acid), triphenylmethy lazobenzene, di-t-butyl hyponitrite, dicumyl hyponitrite, dibenzoyl peroxide, didodecanoyl peroxide, diacetyl peroxide, diisopropyl ester, dicyclohexyl ester, cumyl hydroperoxide, t-butyl hydroperoxide, dicumyl peroxide, di-t-butyl peroxide, and hydrogen peroxide.
77. (New) The composition of Claim 67 wherein the at least one monomer comprises styrene, vinyl styrene, an alkyl styrene, isobutylene, isoprene, or butadiene.
78. (New) The composition of Claim 67 wherein the one or more monomers comprise styrene.